

**ABSTRACT OF THE DISCLOSURE:**

An apparatus (1) to assist a patient's respiration by delivering air to a patient through a mask (20), including a ramp module (10) connected to a control unit (2) to provide the control unit with a pressure value  $P_M$  at mask (20), so that when apparatus (1) starts functioning, the pressure progressively rises until it reaches a treatment pressure  $P_{Ti}$ , the apparatus further including a comparator connected to ramp module (10), at least one device for detecting the patient's breathing parameters and sending them to the comparator, so that the comparator can determine whether an event ( $E_1$ ,  $E_2$  or  $E_3$ ) occurs in patient's breathing and to send the corresponding data to ramp module (10) which provides control unit (2) with a pressure value  $P_M$  that will speed up with respect of time, so that the pressure rise at patient's mask (20) is accelerated.